

INDEX TO VOLUME VI

New names, and the final members of new combinations, are in **bold face type**

- Abies balsamea*, 25-28
- Acer*, 72; *rubrum*, 279
- Achlyta*, 285-288, 291, 294, 296, 297, 299, 300; *americana*, 295; *aplanes*, 295; *Braunii*, 296; *caroliniana*, 295; *De Baryana*, 295, 296, 299; *glomerata*, 296; *lignicola*, 296; *paradoxa*, 285, 287, 294, 295, 301; *polyandra*, 296, 299; *prolifera*, 296; *racemosa*, 296
- Aconitum Columbianum*, 253
- Actaea arguta*, 253
- Adoxa Moschatellina*, 248, 253
- Aecidium*, 138, 241, 242, 245, 246; *carneum*, 122, 138; *cerebrum*, 133, 138; *crepidicola*, 246; *deformans*, 133, 138; *filamentosum*, 124, 138; *giganteum*, 133, 138; *gracilens*, 247; *Harknessii*, 133, 138; *monodium*, 241; *myricatum*, 226-229; *occidentale*, 246; *pyriforme*, 126, 138; *Ravenelii*, 122, 138; *Sarcobati*, 245; *Valerianaceum*, 249
- Aerial galls of the mesquite, 37
- Aesculus*, 72
- Agaricus*, 139; *amygdalinus*, 181; *avrensis*, 221, 222; *bulbosus*, 169; *californicus*, 267; *campestris*, 139, 140, 143, 144, 151, 167, 181; *campester hortensis*, 165; *cepaestipes*, 151; *crocodilinus*, 267; *fabaceus*, 181; *mucifer*, 97, 98; *placomyces*, 267; *silvicola*, 222, 267; *urceolatus*, 35; *xylogenous*, 151
- Agoseris elata*, 253; *gracilens*, 253; *Greenei*, 253; *heterophylla*, 253; *leontodon*, 253
- Agrimonia*, 207
- Agropyron*, 243; *biflorum*, 250; *cannum*, 250, 253; *occidentalis*, 253; *Palmeri*, 243, 253; *repens*, 253; *Smithii*, 253; *spicatum*, 253; *tenuiram*, 243, 253
- Agrostemma*, 196
- Aleuria*, 273, 274; *aurantia*, 273, 274, 278; *auriflava*, 12; *bucicullata*, 274, 276, 278; *Constellatio*, 18; *Crouani*, 8; *rhenana*, 273-275, 278; *rutilans*, 274, 276, 278; *trachyearpa*, 19; *wisconsinensis*, 274
- Aleuria* and *Aleurina*, North American species of, 273
- Aleurina***, 273, 277; ***aquehongensis***, 278; ***retiderma***, 277, 278
- Aleurina*, North American species of *Aleuria* and, 273
- Alliaria*, 197
- Allied genera, Observations on *Sphaerosoma* and, 103
- Allium acuminatum*, 252, 253
- Alnus*, 72; *incana*, 279; *oregana*, 140
- Alocasia*, 59
- Alopecurus aristulatus*, 244, 253
- Alsine borealis*, 253
- Althea rosea*, 253
- Amanita*, 88, 90, 181, 268; *adnata*, 89; *Amici*, 89; *bulbosa*, 169; *bulbosa alba*, 169; *bulbosa citrina*, 169; *bulbosa olivacea*, 169; *Caesarea*, 174, 181, 188; *chlorinosma*, 174; *citrina*, 174; *cothurnata*, 89, 180; *crenulata*, 174; *frostiana*, 181; *junkueilea*, 88, 89, 181; *Lanei*, 269; *mappa*, 174; *Morrisii*, 174; *muscaria*, 170, 174-184, 187, 188; *ovoidea*, 40; *pantherina*, 89, 90, 180; *phalloides*, 40, 165, 169-179, 185, 187; *phalloides citrina*, 173; *porphyria*, 88, 174; *radicata*, 174; *roseitincta*, 269; *rubescens*, 1, 181; *russuloides*, 88, 89; *solitaria*, 181; *spreta*, 173; *strobiliformis*, 174; *venenosa*, 169; *verna*, 173; *vernalis*, 88, 89; ***virginiana***, 269; *viridis*, 169; *virosa*, 173
- Amanitopsis*, 268; *adnata*, 35; *volvata*, 35, 174
- Amelanchier*, 228, 242; *alnifolia*, 247, 248, 253; *Asiatica*, 228; *canadensis*, 227, 228; *nana*, 247, 253; *utahensis*, 247, 253
- American mycological literature, Index to, 44, 99, 155, 219, 270, 306
- Andromeda*, 283
- Angelica dilatata*, 253
- Anthocercis viscosa*, 67
- Anthracothecium*, 259
- Aphanomyces*, 294; *stellatus*, 296

Aplanes, 295-300; *androgynus*, 296;
Braunii, 296
Alopappus, 253; *spinosus*, 252, 253
Apodachlya pirifera, 297
Aquilegia caerulea, 250, 253; *flavescens*, 253; *leptocera*, 253
Arabis, 241; *Drummondii*, 254; *Holboellii*, 254; *retrofracta*, 241, 254; *virginica*, 199
Archemora Fendleri, 254
Arcyria versicolor, 149; *vitellina*, 149
Arenaria, 196, 251, 254; *congesta*, 251; *subcongesta*, 251; *uintahensis*, 254; *verna*, 254
Armillaria, 268; *mellea*, 140, 143, 265, 268; *mucida*, 140, 144
Arnica, 117; *cordifolia*, 254; *paniculata*, 254; *rhizomatosa*, 254; *subplumosa sylvatica*, 254
Aronia, 228; *arbutifolia*, 227, 228; *nigra*, 228
Artemesia dracunculoides, 254; *Hookeriana*, 254; *nova*, 254; *tridentata*, 254
Arthonia, 50; *distendens*, 260; *radiata*, 260
Arthosporium, 32, 33; *album*, 32, 36
Arthur, J. C., and Kern, F. D., North American species of *Peridermium* on pine, 199
Artocarpus incisa, 75
Artotrogus hydnosporus, 65, 66
Aschersonia, 217; *turbinata*, 217
Ascobolus, 7, 10; *Crec'hqueraultii*, 12; *Crouani*, 8; *miniatius*, 6, 8; *viridis*, 107
Asheville fungi, Notes on a few, 88
Aspergillus, 211
Aspidium Thelypteris, 26, 28
Asplenium Filix-femina, 26, 28
Aster, 119, 241, 254; *adscendens*, 254; *apricus*, 254; *arenariooides*, 254; *canescens*, 254; *ciliomarginatus*, 254; *Eatonii*, 254; *Fremontii*, 254
Asterodon, 231, 232; *ferruginosum*, 231, 234
Asterodon and *Hydnochaete*, The genera. Type studies in the Hydnaceae—VII, 231
Asterophora Clavus, 163
Astragalus, 205; *argophyllus*, 245; *atratus arctus*, 245, 254; *decumbens*, 254; *diphysus*, 254; *microlobus*, 245, 254; *Purshii*, 254; *utahensis*, 254; *Wardii*, 254
Atractium, 33
Atragene occidentalis, 254
Atriplex, 33, 200, 202; *hastata*, 33, 36, 245; *patula*, 201, 202
Aurantiporus Pilotae, 264
Avena sativa, 254
Azalea, 72
Bacterium tumefaciens, 37, 38
Badhamia utricularis, 148
Baeomyces absolutus, 260
Balsamorrhiza macrophylla, 254; *sagittata*, 254
Banker, H. J., Type studies in the Hydnaceae—VII. The genera *Asterodon* and *Hydnochaete*, 231
Barke disease of the white pine, A preliminary note on a new, 84
Barlaea, 5, 6; *amethystina*, 16; *asperella*, 12; *carbonaria*, 16; *Crec'hqueraultii*, 12; *discoidea*, 19; *gemma*, 18; *lacunosa*, 23; *lobata*, 22; *miniata*, 8; *modesta*, 12; *Wrightii*, 15
Barlacina, 6; *Constellatio*, 18; *discoidea*, 19
Basidiophora, 57, 192, 193
Beardslee, H. C., Notes on a few Asheville fungi, 88
Beckmannia erucaeformis, 254
Benzoin aestivale, 279, 284
Berberis aquifolius, 250; *repens*, 254
Beta, 200; *marina*, 200
Betula, 72; *alba papyrifera*, 150
Bigelovia Douglasii, 254
Bjerkanderia adusta, 265
Boletus elegans, 235; *luridus*, 185; *luteus*, 235; *miniatoolivaceus*, 186; *miniatoolivaceus sensibilis*, 186; *satanas*, 185; *seaber fuscus*, 150
Book on the British rust fungi, A new, 152
Book on tropical plant diseases, A, 41
Borreria, 193
Botrytis, 62, 200; *destructa*, 196; *effusa*, 200-202; *farinosa*, 200-202; *nivea*, 198; *parasitica*, 196, 198, 203
Boudiera, 103, 105, 107, 108; *areolata*, 105-108
Bouteloua oligostachya, 241, 254
Bovista Jonesii, 266
Bremiella, 195; *megasperma*, 195
Brickellia grandiflora, 254
British rust fungi, A new book on the, 152
Bromus hordeaceus, 254; *marginatus*, 254; *polyanthus*, 254; *Porteri*, 242, 254; *sterilis*, 254
Bursa Bursa-pastoris, 199
Caeoma myricatum, 229
Calceolaria, 76
Callirhoe involucrata, 250
Calluna, 72
Calochortus Nuttallii, 254
Caltha leptosepala, 254

Calvatia craniiformis, 267
Calyptospora columnaris, 27, 28
Campanula americana, 112
Cantharellus brevipes, 40; *clavatus*, 40, 41; *floccosus*, 41
Cantharellus clavatus from Dultuh, 40
Carduus acaulescens, 254; *americanus*, 243, 254; *lanceolatus*, 254; *leiocephalus*, 254; *ob lanceolatus*, 243, 254; *oreophilus*, 254; *pulchellus*, 243, 254; *Tracyi*, 254; *undulatus*, 254
Carex, 250, 254; *festiva*, 254; *Hoodii*, 254; *Jamesii*, 254; *lanuginosa*, 254; *muricata confixa*, 254; *nebraskensis*, 254; *rostrata*, 254; *stenophylla*, 254
Carpinus, 72
Carpophores of *Ceriomyces Zelleri*,
The development of the, 235
Carum Garretii, 254
Castilleja, 112, 124, 125; *affinis*, 252, 254; *linariaefolia*, 246, 254; *minata*, 112
Catabrosa aquatica, 254
Cedar, An enemy of the western red,
93
Cerastium Behringianum, 242, 254;
scopulorum, 242, 254
Cereus, 56, 60; *Martianus*, 70; *tephrancanthus*, 70
Ceriomyces communis, 236; *Zelleri*, 235, 236, 238, 239
Ceriomyces Zelleri, The development
of the carpophores of, 235
Chamaecyparis thyoides, 227, 229
Chamaesyce glyptospermum, 204; *humistrata*, 204; *maculata*, 204; *serpens*, 204, 205, 210; *stictospora*, 205
Chanterel, 163
Chenopodium, 200, 202; *album*, 201, 202, 254; *Bonus-Henricus*, 202; *glaucum*, 202; *hybridum*, 200–202; *leptospermum*, 202; *Murale*, 202; *polyspermum*, 202; *rubrum*, 202
Chiodescon rubrocinctum, 260; *sanguineum*, 260
Chlorophyllum, 268
Chrysopsis Bakeri, 250, 254
Chrysosplenium alternifolia, 210
Chrysothamnus pulcherimus, 254; *viscidiflorus*, 254
Circaeа pacifica, 249, 254
Cirsium oreophilum, 243, 254; *Tracyi*, 243, 254
Cladonia, 259–261; *aggregata*, 261; *didyma rugifera*, 260; *rangiformis*, 260; *rangiformis cubana*, 260; *squamosa phyllocoma*, 261
Clark, E. D., Ford, W. W., and, A
consideration of the properties of
poisonous fungi, 167
Clarkia, 56, 60
Claudopus, 4; *nidulans*, 4
Claytonia Siberica, 254
Clematis, 243; *Douglasii*, 246, 254; *ligusticifolia*, 243, 254
Cleome, 56; *serrulata*, 254
Clitocybe, 163, 268; *dealbata*, 182; *dealbata sudorifica*, 182; *illudens*, 182, 183, 265, 304; *infundibularis*, 179; *laccata*, 143; *leiphemia*, 97; *oreades*, 267
Cnicus Drummondii acaulescens, 255
Coccocarpia pellita, 261
Coker, W. C., Two new species of
water molds, 285
Coleosanthus grandiflorus, 254
Coleosporium, 111–114, 116, 118, 122, 123; *arnicale*, 117; *Campanulae*, 112, 121; *delicatulum*, 112, 115; *Helianthi*, 116; *inconspicuum*, 112, 116; *ribicola*, 246; *Solidaginis*, 112, 117, 119; *Sonchi-arvensis*, 116; *Vernoniae*, 112, 123
Collection of lichens from Jamaica,
West Indies, Small, 259
Collomia gracilis, 254
Collybia maculata, 163; *radicata*, 221
Colocasia, 56, 57, 59; *antiquorum*, 57, 59; *esculenta*, 57, 208
Color-book, Observations on the use
of Ridgway's new. The color of
the spores of *Volvaria speciosa* Fr.,
29
Color of the spores of *Volvaria spe-
ciosa* Fr., The. Observations on
the use of Ridgway's new color-
book, 29
Comandra, 127, 129; *pallida*, 247,
254; *umbellata*, 27
Comatricha nigra, 148, 149; *suks-
dorffii*, 149
Comptonia, 132, 133; *asplenifolia*,
112, 133
Conidium production in *Penicillium*,
211
Consideration of the properties of
poisonous fungi, A, 167
Coprinus, 166
Cordyceps, 217
Coreopsis, 116; *major*, 116; *verticil-
lata*, 112, 116
Coriolus abietinus, 34; *versicolor*, 264
Coronopus didyma, 199
Corticarius, 39, 150
Cortinellus, 268, 269; *cinnamomeus*,
269; *Glatfelteri*, 269; *mutifolius*,
269
Corylus, 72
Crataegus, 228; *oxyacantha*, 72

Crepidotus calolepis, 267
Crepis, 255; *acuminata*, 254; *glauea*, 246, 254; *intermedia*, 243, 255; *occidentalis*, 255; *rostrata*, 255; *sco-pulorum*, 255
Cressa Truxillensis, 255
Cronartium, 110-113, 123, 125, 126, 129-131, 133, 137; *coleosporioides*, 112, 246; *Comandrae*, 129, 247; *Comptoniae*, 112, 128, 131, 133; *filamentosum*, 112; *Quercus*, 112, 136; *ribicola*, 150
Crouania, 6; *asperella*, 12; *carbonaria*, 16; *miniatia*, 8
Cryptotorus, 218; *volvatus*, 267
Cryptotorus volvatus (Peck) Hubbard, Origin of the volva aperture in, 217
Cylindrium flavo-virens, 35
Cylindrosporium, 217
Cynomarathrum Nuttallii, 255
Cyperus, 192; *tegetiformis*, 192
Cystopteris fragilis, 255

Dacryomycetes, 225
Daedalea unicolor, 266
Dasiophora fruticosa, 255
Detonia, 5, 6; *foveata*, 21; *leiocarpa*, 21; *modesta*, 13; *nigrans*, 20; *polychrina*, 23; *trachycarpa*, 19
Development of *Sphagnum ambiguum*, The, 139
Development of the carpophores of *Ceriomyces Zelleri*, The, 235
Dianthus, 196; *caryophyllus*, 255
Dictyuchus, 295-297, 299; *monosporus*, 297
Didymium melanospermum, 217
Diplanes, 291
Diplodia longispora, 150
Diplographis, 260
Discina trachycarpa, 19
Disease of the white pine, A preliminary note on a new bark, 84
Diseases, A book on tropical plant, 41
Distichlis, 241; *stricta*, 255
Draba, *Helleriana*, 244, 255; *pectinata*, 255; *spectabilis*, 244, 255

Echinopsis Eryresii, 70
Echinospermum floribundum, 255
Elvela coccinea, 274
Elymus canadensis, 255; *condensatus*, 255; *glaucus*, 255; *robustus*, 255
Endophyllum, 154
Enemy of the western red cedar, An, 93
Entoloma, 185; *lividum*, 169, 185; *sinuatum*, 185
Entyloma arnicale, 241; *crastophilum*, 241

Epilobium adenocaulon, 255; *alpinum*, 255; *anagallidifolium*, 255; *brevistylum*, 255; *clavatum*, 255; *Drummondii*, 255; *Drummondii latiusculum*, 255; *Hornemannii*, 255; *paniculatum*, 255; *rubricaulle*, 255; *straminum*, 255
Erica, 72
Erigeron Coulteri, 255; *macranthus*, 255
Erineum atriplicinum, 202
Eriocoma cuspidata, 255
Eriogonum campanulatum, 255; *crecum*, 245, 255; *heracleoides*, 255; *racemosum*, 255; *umbellatum majus*, 255
Erodium, 194
Erysimum asperum, 255
Erysiphe, 203
Erythronium grandiflorum, 255; *grandiflorum parviflorum*, 255
Eucalyptus, 260
Euphorbia, 204; *Cyparissias*, 203; *dentata*, 255; *Fendleri*, 246, 255; *glyptospermum*, 204; *humistrata*, 204; *maculata*, 204; *montana robusta*, 255; *Peplos*, 202; *platyphylla*, 203; *robusta*, 255; *serpens*, 205; *serpyllifolia*, 255; *stictospora*, 205
Euthamia, 115; *graminifolia*, 112
Exidia, 32, 225; *lagunensis*, 266
Exobasidium, 267

Fagopyrum, 56, 59
Fagus, 72
Festuca confinis, 255; *elatior*, 255; *octoflora*, 255
Few Asheville fungi, Notes on a, 88
Filix fragilis, 255
Fink, Bruce, Henry Willey,—A memoir, 49
Fomes pectarius, 266; *ungulatus*, 217
Fomitiporia, 94; *Weiri*, 93, 94
Ford, W. W., and Clark, E. D., A consideration of the properties of poisonous fungi, 167
Forsythia viridissima, 72
Fragaria, 207; *vesca*, 207
Fraser, W. P., Notes on *Uredinopsis mirabilis* and other rusts, 25
Fraxinus, 72
Fromme, F. D., A new gymnosporangial connection, 226
Fuligo, 147, 148; *ellipsospora*, 147; *media*, 147, 148; *megaspora*, 147, 148; *ovata*, 147; *septica*, 147, 148
Fungi, A consideration of the properties of poisonous, 167
Fungi, A new book on the British rust, 152
Fungi, Illustrations of—XVII, 1; XVIII, 161; XIX, 221

Fungi, New or interesting, 32
 Fungi, Notes on a few Asheville, 88
Fuscoporia, 94
Fusicoccum, 86; *abietinum*, 86

Galium triflorum, 255
 Galls of the mesquite, Aerial, 37
 Garrett, A. O., Host index of smuts and rusts of Utah, 253; The smuts and rusts of Utah—II, 240
Gaylussacia resinosa, 27, 28
Gayophytum caesium, 255; *intermedium*, 255; *lasiospermum*, 255; *pumilum*, 255; *racemosum*, 255; *ramosissimum*, 255
 Genera *Asterodon* and *Hydnochaete*, The. Type studies in the Hydnaceae—VII, 231
 Genera, Observations on *Sphaerosoma* and allied, 103
 Genus *Lamprospora*, A preliminary study of the, 5
 Genus *Phytophthora*, A review of the. Studies in North American Peronosporales—V, 54
Geranium, 194; *Fremontii*, 255; *mexicanum*, 153; *nervosum*, 255; *Richardsonii*, 255; *venosum*, 255
Geum, 207
Gilia, 56, 206; *nivale*, 59; *Nuttallii*, 255; *pungens*, 244, 255
Gloesporium nervisequum, 264
Gloeotulasnella, 265
Glyceria nervata, 255
Glycyrrhiza lepidota, 255
Gnomonia veneta, 264
Gomphidius oregonensis, 267; *vincicolor*, 268
Graphis, 260
 Graves, A. H., A preliminary note on a new bark disease of the white pine, 84; Parasitism in *Hymenochaete agglutinans*, 279
Grifola Berkeleyi, 264; *frondosa*, 264
Grindelia squarrosa, 255
Guepinia, 32
Gutierrezia Euthamiae, 255; *filifolia*, 244, 255; *Sarothrae*, 255
Gymnomolnia multiflora, 255
 Gymnosporangial connection, A new, 226
Gymnosporangium, 226–228, 242, 247; *bermudianum*, 226; *Blasdaleanum*, 227; *Botryapites*, 227, 228; *clavariaeforme*, 247; *durum*, 242; *Ellisi*, 226–229; *exterum*, 226; *gracilens*, 226, 247; *inconspicuum*, 247; *myricatum*, 229; *Nelsoni*, 242; *Sorbi*, 227
Gyromitra esculenta, 186
Gyrophragmium texense, 267

Hamaspora Ellisii, 229
Hapalopilus gilvus, 266
 Harper, E. T., *Cantharellus clavatus* from Duluth, 40
Harpographium, 33
 Heald, F. D., Aerial galls of the mesquite, 37
Hebeloma, 184; *fastibile*, 184; *rimosum*, 184
Hedysarum utahense, 255
Helianthella arizonica, 244, 255; *uniflora*, 255
Helianthus annuus, 255; *lenticularis*, 255
Heliocarpus, 193
Helvelia coccinea, 274
Hemitrichia, 149; *clavata*, 149
Heuchera parvifolia, 255; *rubescens*, 255; *utahensis*, 255
Hevea, 74; *brasiliensis*, 75
Hexagona luzonensis, 266
Hieracium griseum, 255
Hirneola, 225
Holeus lanatus, 255
Hordeum jubatum, 253, 255; *nodosum*, 255; *pusillum*, 255
Horkelia Gordonii, 255
Hormisciopsis, 32; *gelatinosa*, 32, 36
Hormiscium, 32
 Host Index of smuts and rusts of Utah, 253
 House, H. D., Origin of the volva aperture in *Cryptopus volvatus* (Peck) Hubbard, 217
 Howe, R. H., Jr., Small collection of lichens from Jamaica, West Indies, 259
Humaria bicucullata, 276; *Crec'h-queraultii*, 12; *echinosperma*, 12; *Persoonii amethystina*, 16; *rutilans*, 276; *Wrightii*, 15
 Hydnaceae, Type studies in the—VII. The genera *Asterodon* and *Hydnochaete*, 231
Hydnochaete, 231–233; *badia*, 232, 234; *olivaceum*, 234; *setigera*, 231, 234
Hydnochaetella, 231, 232; *setigera*, 232, 234
Hydnoporia fuscescens, 232, 234
Hydnum fuscescens, 233; *olivaceum*, 233, 234
Hydrocybe caespitosa, 2; *pratensis*, 2
Hydrophyllum capitatum, 255; *Watsonii*, 255
Hygrophorus caespidotus, 2; *eburneus*, 164; *pratensis*, 2

Hymenochaete, 280, 282, 283; agglutinans, 279, 282-284; noxia, 284
 Hymenochaete agglutinans, Parasitism in, 279
Hypoloma, 139, 140, 142-144; aggregatum, 4; fasciculare, 140; silvestre, 4
Hypocrella, 217
Hypophyllum crux melitense, 171
 Illustrations of fungi—XVII, 1; XVIII, 161; XIX, 221
 Index to American mycological literature, 44, 99, 155, 219, 270, 306
Inocybe, 224, 265; decipiens, 184; geophylla, 224; infelix, 184; infida, 183
Inonotus juniperinus, 267; texanus, 264, 267
 Interesting fungi, New or, 32
Irpea, 234; cinnamomeus, 233, 234; fuscescens, 233
Iva axillaris, 255; xanthifolia, 255
Ivesia Gordonii, 255
 Jamaica, West Indies, Small collection of lichens from, 259
Jasminum, 56, 59; nudiflorum, 72
Juglans 72
Juncus longistylis, 255; saximontanus, 256; xiphoides montanus, 256
Juniperus, 226; monosperma, 247, 256; scopulorum, 242, 256; utahensis, 247, 256; virginiana, 226
Kawakamia, 57, 192, 193; *Colocasiae*, 57; *Cyperi*, 194
 Kern, F. D., A new book on the British rust fungi, 152; Arthur, J. C., and, North American species of *Peridermium* on pine, 109
Koeleria gracilis, 250
 Krieger, L. C. C., Observations on the use of Ridgway's new color-book. The color of the spores of *Volvaria speciosa* Fr., 29
Laccaria, 268; *laccata*, 223; ochropurpurea, 223
Lactaria, 163; *piperata*, 164
Lactarius, 182; *torminosus*, 182, 183
Lamproderma robusta, 149
Lamprospora, 6, 24, 103, 107, 108; *amethystina*, 7, 16; *annulata*, 7, 11, 24; *areolata*, 7, 9, 24; *ascoboloides*, 7, 10, 24; *carbonaria*, 7, 16; *carbonicola*, 16; *Constellatio*, 7, 17-19; *Crec'hqueraultii*, 7, 12, 24, 107; *Crouani*, 6, 8, 24; *dictydiola*, 7, 9, 24; *discoidea*, 7, 19; *gemma*, 7, 18; *haemastigma*, 7, 17; *leiocarpa*, 8, 21; *lobata*, 8, 22, 24; *Maireana*, 7, 14, 24; *miniata*, 8; *nigrans*, 8, 20; *Planchonis*, 8, 21; *polytrichina*, 8, 23; *spinulosa*, 7, 11, 24; *trachycarpa*, 8, 19, 21, 24; *tuberulata*, 7, 13, 14, 16, 24; *tuberculatella*, 7, 15, 16, 24; *Wrightii*, 7, 15, 24
Lamprospora, A preliminary study of the genus, 5
Lappula caerulescens, 246, 256; floribunda, 256
Larix, 27; *laricina*, 26-28
Laschia, 266; *philippinensis*, 266
Lasidiplodia 74
Lathyrus coreaceus, 256; *utahensis*, 256
Lentinus candidus, 266; *lagunensis*, 266
Lepidium, 56, 59, 199; *apetalum*, 199, 256; *ruderale*, 199, 210; *virginicum*, 199, 210, 256
Lepidoderma, 147; *tigrinum*, 147
Lepiota, 151, 268; *albissima*, 269; *americana*, 223; *brunnescens*, 223; *cepaestipes*, 151; *Morgani*, 151, 181; *naucina*, 165; *procera*, 151; *rhaecodes*, 268
Leptogium, 261; *chloromelum*, 261; *phyllocardium*, 261; *tremelloides*, 261
Leptolegnia, 286, 300
Leptomitus, 297; *lacteus*, 297
Leptotaenia, 256; *Eatonii*, 256
Leucomela Constellatio, 18; *rutilans*, 276
 Lichens from Jamaica, West Indies, Small collection of, 259
Ligusticum filicinum, 256
Limacella, 268, 269; *albissima*, 269
Linum Kingii, 256; *Lewisii*, 256
 Literature, Index to American mycological, 44, 99, 155, 219, 270, 306
Lithophragma bulbifera, 256; parviflora, 256
Lobaria peltigera, 262
Lomatium platycarpum, 256
Lupinus parviflorus, 256; *pulcherimus*, 256
Lychnis, 196; *Drummondii*, 253, 256; *Lycium Andersoni*, 249, 256; *pallidum*, 252, 256
Lycoperdon Bovista, 161; *giganteum*, 161; *pyriforme*, 162
Lycopersicum esculentum, 60
Lygustrum vulgare, 72
 Macbride, T. H., Mountain myxomycetes, 146
Machaeranthera canescens, 256
Macrophoma, 33, 34
Malus, 72
Malva rotundifolia, 256

Malvastrum dissectum, 245, 256
 Marasmius, 36, 216; atro-rubens, 36;
Morganianus, 35; oreades, 179
 Medicago, 205; sativa, 205
 Melampsora, 27; albertensis, 248;
 Bigelowii, 242; Medusae, 26-28
 Melampsorella elatina, 242
 Melanoleuca, 268, 269; alabamensis,
 269; angustifolia, 269; aromatica,
 269; compressipes, 269; Earlea,
 269; eduriformis, 269; fumosella,
 269; inocybiformis, 269; Kauff-
 manii, 269; longipes, 269; Mem-
 mingeri, 269; Naucoria, 269; odo-
 rifera, 269; personata, 3; praecox,
 269; prae magna, 269; Robinsoniae,
 269; sordida, 3; subacida, 269;
 subargillacea, 269; subcinereiformis,
 269; subfuliginea, 269; subres-
 plendens, 269; subterrea, 269; sub-
 transmutans, 269; Thompsoniana,
 269; Tottennii, 269; unakensis, 269;
 Volkertii, 269; Yatesii, 269
 Memoir, A.—Henry Willey, 49
 Menthha canadensis, 256; Penardi,
 244, 256
 Mertensia, 256; arizonica, 256; ciliata,
 256; intermedia, 256; polyphylla,
 256; Siberica, 256
 Mesquite, Aerial galls of the, 37
 Micranthes arguta, 256
 Microglaena, 260
 Microsteris gracilis, 206; micrantha,
 256
 Microstroma Platani, 264
 Microthelia thelena, 260
 Miscellaneous species, Notes on.
 Studies in North American Peron-
 osporales—VI, 192
 Mitella pentandra, 256; stenopetala,
 256
 Mitropcarpus hirsutus, 193
 Molds, Two new species of water, 285
 Mollisia Crec'hqueraultii, 12
 Monarda menthaefolia, 244, 256
 Monardella odoratissima, 256
 Monolepharis macrandra, 298
 Monolepis Nuttalliana, 202
 Monosporium Chenopodi, 202
 Montia siberica, 256
 Morchella esculenta, 186
 Mountain myxomycetes, 146
 Mucilago spongiosa, 148; spongiosa
 solida, 148
 Muciporus, 265; corticola, 265
 Mucor Botrytis, 198; Erysimi, 197,
 198
 Muhlenbergia gracilis, 250, 256; Rich-
 ardsonii, 250, 256
 Murrill, W. A., Agaricus mucifer
 Berk. and Mont., 97; Agaricus xy-
 logenus Mont., 151; An enemy of
 the western red cedar, 93; Illustra-
 tions of fungi—XVII, 1; XVIII,
 161; XIX, 221
 Mycena haematopa, 225; splendidipes,
 40; succosa, 225
 Mycenastrum corium, 267
 Mycological literature, Index to
 American, 44, 99, 155, 219, 270, 306
 Myrica, 228; carolinensis, 227, 229;
 cerifera, 228, 229
 Myristica fragrans, 76
 Myxomycetes, Mountain, 146
 Naucoria malinensis, 266
 Nectria, 74
 New bark disease of the white pine,
 A preliminary note on a, 84
 New book on the British rust fungi,
 A, 152
 New color-book, Observations on the
 use of Ridgway's. The color of the
 spores of Volvaria speciosa Fr., 29
 New gymnosporangial connection, A,
 226
 New or interesting fungi, 32
 New species of water molds, Two,
 285
 News and notes, 39, 95, 216, 303;
 and reviews, 150, 264
 Nicotiana, 59; Bigelovii, 208; glauca,
 208; Tabacum 209
 North American Peronosporales,
 Studies in—V. A review of the
 genus Phytophthora 54; VI. Notes
 on miscellaneous species, 192
 North American species of Aleuria
 and Aleurina, 273
 North American species of Perider-
 mium on pine, 109
 Note on a new bark disease of the
 white pine, A preliminary, 84
 Notes, News and, 39, 95, 216, 303;
 and reviews, 150, 264
 Notes on a few Asheville fungi, 88
 Notes on miscellaneous species.
 Studies in North American Perono-
 sporales—VI, 192
 Notes on Uredinopsis mirabilis and
 other rusts, 25
 Nozemia, 79, 80
 Nyctalis asterophora, 163
 Observations on Sphaerosoma and
 allied genera, 103
 Observations on the use of Ridgway's
 new color-book. The color of the
 spores of Volvaria speciosa Fr., 29
 Ocellularia alba, 260
 Octospora haemastigma, 17
 Oenothera, 56, 59, 60; caespitosa,
 256; heterantha, 256; marginata,
 256; montana, 246, 256

Oidium, 95; **album**, 34, 36
Omphalia flava, 264
Onoclea sensibilis, 26-28
Opuntia, 56, 59
 Origin of the volva aperture in *Cryptotorus volvatus* (Peck) Hubbard, 217
Osmorrhiza, 256
Osmunda Claytoniana, 26, 28; *regalis*, 26, 28
Otidea, 274; *aurantia*, 274
Ovularia Syringae, 72, 73
Oxygraphis cymbalaria, 256
Oxypolis Fendleri, 256
Oxyria digyna, 256
Ozomelis stenopetala, 256

Pachylophus caespitosus, 256; *marginalis*, 256; *montanus*, 246
Panaeolus, 185; *papilionaceus*, 185; *retirugis*, 185
Panax, 56
Panicum Crus-galli, 256
Pannaria Marianae isideoidea, 261; *pannosa*, 261; *rubiginosa*, 261
 Parasitism in *Hymenochaete agglutinans*, 279
Parnassia fimbriata, 256
Parrya platycarpa, 249, 256
Pectiantia pentandra, 256
Penicillium, 211, 213
Penicillium, Conidium production in, 211
Pentstemon confertus caeruleo-purpureus, 250, 256; *procerus*, 250, 256
Peridermium, 109-114, 117, 122, 123, 125-128, 137, 138; *aciculum*, 109, 112, 114, 117, 118, 121, 137, 138; *Bethelia*, 126, 138; *californicum*, 114, 118, 137, 138; *carneum*, 112, 114, 122, 123, 137, 138; *cerebrum*, 109, 110, 112, 113, 124, 133, 136-138; *Comptoniae*, 112, 124, 131, 137, 138; *deformans*, 133, 138; *dilectulum*, 112, 114, 116, 137, 138; *elatinum*, 242; *Engelmanni*, 110; *filamentosum*, 109, 110, 112, 123-126, 137, 138; *Fischeri*, 110, 114, 116, 137, 138; *fusiforme*, 110, 112, 113, 134, 135, 138; *giganteum*, 133, 138; *globosum*, 110, 134, 136, 138; *gracile*, 114, 119-121, 137, 138; *guatemalense*, 114, 121, 137, 138; *Harknessii*, 27, 109, 110, 133, 138; *inconspicuum*, 112, 114, 115, 137, 138; *intermedium*, 114, 120, 137, 138; *mexicanum*, 110, 134, 136; 138; *montanum*, 114, 117, 118, 137, 138; *oblongisporum*, 110, 138; *oblongisporum Ravenelii*, 122, 138; *orientale*, 109; *pyriforme*, 110, 112, 123, 126-128, 131, 132, 137, 138;

Ravenelii, 122, 138; *Rostrupi*, 110, 112, 114, 120, 137, 138; *stalactiforme*, 110, 112, 124-126, 138; *Strobi*, 110, 123, 129, 130, 137, 138, 150
 Peridermium on pine, North American species of, 109
Peronoplasmopara Humuli, 194
Peronospora, 79, 193, 196, 197, 200-203, 205-208, 210; *alta*, 205; *andina*, 203; *Arenariae*, 196, 197; *Arenariae macrospora*, 196; *Arthuri*, 207; *Borreriae*, 193; *Botrytis*, 198; *Cactorum*, 80; *Chamaesyces*, 204, 210; *Chenopodi*, 200, 202; *Chrysosplenii*, 210; *conglomerata*, 194; *crispula*, 198; *Cyparissiae*, 203; *Cyperi*, 192; *Dentariae*, 198; *destructor*, 196; *Dianthi*, 196, 197; *effusa*, 200-202; *effusa major*, 200-202; *effusa minor*, 195, 200-202; *epiphylla*, 202; *Erodii*, 194; *Euphorbiae*, 203; *farinosa*, 201, 202; *Fragariae*, 206, 207; *Hyoscyami*, 208; *Lepidii*, 198, 199, 210; *macrospora*, 196; *megasperma*, 195; *minima*, 209, 210; *Nicotianae*, 208; *Niessleana*, 197-199; *ochroleuca*, 198; *parasitica*, 197-199; *parasitica Lepidii*, 198; *parasitica Niessleana*, 198; *Pepli*, 202; *Phlogina*, 206; *Phyteumatis*, 197, 209; *Plantaginis*, 205; *Potentillae*, 206, 207; *Rubi*, 207; *Saxifrageae*, 210; *Schachtii*, 199; *Schleideni*, 196; *Schleideniana*, 196; *Sempervivi*, 70; *Silenes*, 197; *sordida*, 208, 209; *sparsa*, 206, 207; *Spinaciae*, 201, 202; *trichomata*, 57, 208; *Trifoliorum*, 205; *violacea*, 209; *Violae*, 195
 Peronosporales, Studies in North American—V. A review of the genus *Phytophthora*, 54; VI. Notes on miscellaneous species, 192
Petradoria pumila, 256
Peucedanum graveolens, 256; *simplex*, 256
Peziza aurantia, 104, 274; *auriflava*, 12; *bucicullata*, 276; *coccinea*, 274; *Constellatio*, 18; *Crouani*, 8, 104; *echinosperma*, 12, 13; *exasperata*, 23; *gemma*, 18; *globifera*, 23; *leiocarpa*, 21; *lobata*, 22; *modesta*, 12, 13; *nigrans*, 20; *Persoonii*, 22; *polysticti*, 23; *radiculata*, 275; *retiderma*, 273, 277; *rutilans*, 276; *sanguinaria*, 16; *scabrosa*, 19, 20; *splendens*, 275; *trachycarpa*, 19; *Wrightii*, 15
Phaelicia, *alpina*, 256; *heterophylla*, 256

Phaeopezia, 273, 277; retiderma, 277;
scabrosa, 20

Phaseolus, 56

Phegopteris Dryopteris, 26, 28

Phellorina californica, 267

Philadelphia, 72, 226; occidentalis,
247, 256

Phlococephora, 303; *Cactorum*, 80;
Fagi, 80; *Nicotianae*, 80; *Syringae*,
73, 80

Phlox, 256, caespitosa, 256; divaricata,
206; Giliae, 206; longifolia,
256

Pholiota autumnalis, 183; candicans,
268; ventricosa, 268

Phoma, 33, 85; abietina, 86; Atriplicis,
33; longissima, 33; Westendorpii,
33

Phragmidium Ellisi, 229; montivagum,
243; occidentale, 248

Phyllocactus, 70

Phyllosticta, 34; Atriplicis, 33, 36

Physarum, 147; elegans, 147; nephroideum,
148; pusillum, 147

Phyteuma, 197

Phytophthora, 55-58, 60, 61, 64, 65,
67, 69, 71, 73-79, 192, 303; Agaves,
77; Arecace, 59, 60, 75, 83; Cacto-
rum, 67, 70-72, 76, 79, 80; Colocasiae,
57, 77, 208; erythroseptica,
55, 58, 61, 66; Faberi, 58, 60, 73-
75, 79, 80; Fagi, 69-71, 79, 80; in-
festans, 54, 55, 57, 61-69, 72, 75,
77, 79, 83; Jathropae, 77; Nicotianae,
73, 79, 80, 208; omnivora,
59, 70, 71, 73, 75, 76, 79, 80; omni-
vora Arecace, 59; parasitica, 54, 56,
58, 83; Phaseoli, 59, 60, 64, 66-69,
83; Syringae, 70-73, 79, 80; Thalic-
tri, 68, 69; Theobromae, 75

Phytophthora, A review of the genus.
Studies in North American Perono-
sporales—V, 54

Picea, 110

Pine, A preliminary note on a new
bark disease of the white, 84

Pine, North American species of
Peridermium on, 109

Pinus, 114, 115, 123, 127, 135, 137,
138, 150; *australis*, 122, 137; austriaca,
112, 131, 137; Banksiana,
117, 126, 128, 134, 136, 137; con-
torta, 112, 124, 125, 134, 137; di-
varicata, 126, 134, 137; echinata,
120, 132, 134, 137; Elliottii, 122,
137; Engelmanni, 110; filifolia,
120, 121, 137; heterophylla, 122,
137; inops, 132, 137; insignis, 118,
134, 137; Jeffreyi, 124, 137; mari-
tima, 132, 137; mitis, 120, 134, 137;
montana, 132, 137; monticola, 266;
Murrayana, 117, 124, 126, 134, 137;

oocarpa, 135, 137; palustris, 122,
123, 135, 137; patula, 135, 137;
ponderosa, 112, 124, 125, 127, 132,
133, 135, 137; pungens, 118, 127,
137; radiata, 118, 134, 137; rigida,
112, 115, 119, 121, 132, 135, 137,
217; sabiniiana 135, 137; scopulo-
rum, 112, 117, 124, 125, 127, 135,
137; serotina, 122, 137; Strobos,
84, 87, 129, 134, 136, 137; sylves-
tris, 110, 112, 116, 117, 132, 137;
Taeda, 112, 115, 122, 132, 135-137;
virginiana 112, 115, 116, 132, 135,
137

Piptocephalis, 65

Pirus, 72; communis, 72; Malus, 280

Pithya, 24; vulgaris, 24

Placusa despœta, 218

Plantago aristata, 205; major, 205;
pusilla, 205

Plant diseases, A book on tropical, 41

Plasmopara, 195; Erodii, 194; Hu-
muli, 194

Platanus, 72

Plenodomus destruens, 95

Plesiocis, 218

Pleurotus, 4, 268

Plicaria, 6; foveata, 21; leiocarpa, 21;
Planchnon, 21; trachycarpa, 19

Plicariella, 6; modesta, 12; trachy-
carpa, 20

Poa crocata, 244, 256; Fendleriana,
256; longipedunculata, 244, 256;
pratinensis, 256; reflexa, 256; Wheeleri,
243, 256

Podisoma Ellisi, 229

Poisonous fungi, A consideration of
the properties of, 167

Polygonum aviculare, 256

Polyporus corticola, 265; dryadeus,
40; dryophilus, 40; officinalis 186

Polyscytalum **flavum**, 35, 36

Polytrichum, 23, 276

Populus angustifolia, 256; deltoides,
27; grandidentata, 27, 28; tremu-
loides, 27, 248, 256

Poria **Weiri**, 94

Porina, 260

Porteranthus stipulatus, 226

Potentilla, 206, 207; Bakeri, 256;
fruticosa, 256; glomerata, 256;
pulcherrima, 256; viridescens, 256

Preliminary note on a new bark dis-
ease of the white pine, A, 84

Preliminary study of the genus Lam-
prospora, A, 5

Production in Penicillium, Conidium,
211

Properties of poisonous fungi, A con-
sideration of the, 167

Prosopis glandulosa, 37

Prunus cerasus, 72; domestica, 72

Psathyrella disseminata, 166
Pseudocymopterus montanus, 251, 256; *Tidestromia*, 251, 256
Pseudoperonospora, 194; *Celtidis*, 194; *Celtidis Humuli*, 194; *Erodii*, 194; **Humull**, 194
Pseudotsuga mucronata, 248
Psoralea micrantha, 253, 256
Ptilocalai graciloba, 256; major, 256
Puccinia, 152, 153, 245, 285; *acrophila*, 248; *Actinellae*, 248; *Adoxae*, 248; *Agropyri*, 243; *albulensis*, 249; *alternans*, 242; *Blaisdalei*, 252; *Caricis*, 152; *cineraria*, 243; *Circaeae*, 249; *cirsii*, 243; *Clematidis*, 243; **Clementis**, 249; *commutata*, 249; *Crepidis-acuminatae*, 243; *curtipes*, 243; *Douglasii*, 244; *effusa*, 244; *globosipes*, 249; *graminis*, 152; *Grindeliae*, 250; *Grossulariae*, 250; *Gutierreziae*, 244; *Helianthellae*, 244; *Holboellii*, 244; *Koeleriae*, 250; *Menthae*, 244; *modica*, 252; *monoica*, 241; *monopora*, 153; *montanensis*, 244; *Muhlenbergiae*, 250; *obliterata*, 250; *Pentstemonitis*, 250; *Poarum*, 244; *Pruni-spinosae*, 153; *Pseudocymopteridis*, 251; *Rhodiola*, 251; *rubigo-vera*, 242; **Rybergii**, 251; *Sherardiana*, 245; *Sierversiae*, 251; *Stipae*, 245; *subnitens*, 120, 241, 245; **tardissima**, 251; *triseti*, 241; *tumidipes*, 252; *turrita*, 252; *uniporula*, 153; *variolans*, 252; *Ventrali*, 153; *Violae*, 245
Pucciniastrum Myrtilli, 27, 28
Pulvinula, 6; *Constellatio*, 18; *haemastigma*, 17
Pyrenula, 259
Pyrola asarifolia incarnata, 256; *rotundifolia uliginosa*, 256; *secunda*, 256; *uliginosa*, 257
Pyropolyporus conchatus, 266; *texanus*, 267
Pythiopsis, 289, 292; *cymosa*, 289, 293, 294, 301; **Humphreyana**, 292, 302
Pythium, 55, 57; *debaryanum*, 65
Quercus, 72, 135-137; *alba*, 150; *coccinea*, 112; *Phellos*, 112; *rubra*, 112; *velutina*, 112
Radicula sinuata, 257
Ranunculus Cymbalaria, 257; *digitatus*, 257; *Eschscholtzii*, 257; *nivalis Eschscholtzii*, 257; *stenolobus*, 257
Red cedar, An enemy of the western, 93
Reseda, 198
Review of the genus *Phytophthora*, A. Studies in North American Peronospores—V, 54
Reviews, News, notes and, 150, 264
Rhinanthus, 200
Rhodopaxillus, 3
Rhysotheca, 193; **Borreriae**, 193; *Gonolobi*, 193; *Helicarpa*, 193; *ribicola*, 193; *Viburni*, 193
Ribes, 130; *aureum*, 130; *coloradense*, 246, 257; *inebrians*, 246, 257; *longiflorum*, 130, 131; *oxyacanthoides*, 257; *saxosum*, 257; *vallicola*, 257
Ricinus, 59
Ridgway's new color-book, Observations on the use of. The color of the spores of *Volvaria speciosa* Fr., 29
Roestelia Harknessianoides, 248; *lacerata*, 247; *transformans*, 228
Roripa, 199; *palustris*, 199
Rosa, 207, 243, 257; *aciculata*, 243, 257; *Fendleri*, 257; *grosse-serrata*, 257; *Macounii*, 257; *Maximiliana*, 257; *neomexicana*, 243, 257
Rubacer parviflorus, 257
Rubus, 207; *fruticosus*, 207; *parviflorus*, 248, 257
Ruhlandiella, 104; *hesperia*, 104, 108
Russula, 90, 91, 150, 163; *albidula*, 91, 92; *alutacea*, 91; *depallens*, 91; *emetica*, 183; *graveolens*, 90; *integra*, 91; *meliolens*, 91; **rubescens**, 91, 92; *sanguinea*, 92; *squamula*, 90; *xerampelina*, 90
Rust fungi, A new book on the British, 152
Rusts, Notes on *Uredinopsis mirabilis* and other, 25
Rusts of Utah, Host index of smuts and, 253
Rusts of Utah, The smuts and—II, 240
Salix, 72; *chlorophyla*, 257; *cordata lutea*, 257; *cordata Watsonii*, 257; *exigua*, 257; *Fendleriana*, 257; *flavescens*, 257; *glaucops*, 242, 257; *lasiandra caudata*, 257; *lasiandra Fendleriana*, 257; *lutea*, 257; *luteo-sericea*, 257; *monticola*, 242, 257; *Nuttallii*, 257; *pachnophora*, 242, 257; *pentandra caudata*, 257; *phylicifolia*, 257; *schouleriana*, 257
Salpiglossis, 56, 59, 60
Salsola Tragus, 257
Saprolegnia, 285-287, 291, 299, 300; *asterophora*, 298; *ferax*, 298; *monnoica*, 291, 298-300; *torulosa*, 299
Sarcobatus, 120; *vermiculatus*, 245, 257
Sarcoscypha albovillosa, 276; *radiculata*, 275; *rhenana*, 275

Saxifraga arguta, 257; *austromontana*, 252, 257; *cernua*, 209, 210; *debilis*, 243, 257; *granulata*, 210; *punctata*, 257
Schizanthus, 56, 59, 60; *grahami*, 67
Schizophyllum alneum, 266
Scleroderma verrucosum, 224; *vulgare*, 150
Sclerotium bataticola, 95
Seaver, F. J., A preliminary study of the genus *Lamprospora*, 5; North American species of *Aleuria* and *Aleurina*, 273; Observations on *Sphaerosoma* and allied genera, 103
Sedum debile, 257; *stenopetalum*, 251, 257
Sempervivum tectorium, 76
Senecio crassulus, 257; *dispar*, 257; *lugens*, 257; *triangularis*, 257; *vulgaris*, 111
Septoria, 33; *Atriplicis*, 33
Sequoia, 7; *sempervirens*, 18
Sida hederacea, 257
Sidalcea nervata, 257
Sieversia turbinata, 251, 257
Silene, 196; *Menziesii*, 257
Simblum sphaerocephalum, 267
Sistotrema fuscescens, 233, 234; *olivaceum*, 233, 234
Sitanion californicum, 257; *glaber*, 257; *rigidum*, 244, 257
Small collection of lichens from Jamaica, West Indies, 259
Smelowskia americana, 257; *calycina*, 257
Smuts and rusts of Utah, Host index of, 253
Smuts and rusts of Utah, The—II, 240
Solanum, 60; *Lycopersicum*, 56; *Melongena*, 56, 59, 60; *tuberosum*, 56, 60
Solidago, 119; *canadensis*, 257; *mollis*, 257; *pulcherrima*, 257; *pumila*, 257; *rugosa*, 112; *trinervata*, 257
Sonchus asper, 116
Sophia, 199, 241, 245, 257; *incisa*, 257
Sorbus, 72
Sorosporium Saponariae, 240
Sparassis crispa, 163; *Herbstii*, 162
Species, Notes on miscellaneous. Studies in North American Peronosporales—VI, 192
Species of *Aleuria* and *Aleurina*, North American, 273
Species of *Peridermium* on pine, North American, 109
Species of water molds, Two new, 285
Sphaeralcea arizonica, 245, 257; *grossulariaefolia*, 257; *marginale*, 245, 257; *Munroana*, 257
Sphaeronema fimbriata, 95
Sphaerophorus compressus, 259
Sphaerosoma, 103–105, 107, 108; *echinulatum*, 103, 105, 106, 108; *fuscescens*, 104, 105, 108
Sphaerosoma and allied genera, Observations on, 103
Spicaria, 74
Spinacia, 200; *oleracea*, 200, 202
Spores of *Volvaria speciosa* Fr., The color of the. Observations on the use of Ridgway's new color-book, 29
Sporobolus asperifolius, 257; *filiformis*, 257
Stellaria borealis, 257; *Curtisia*, 240, 257
Stemonitis, 147; *splendens*, 149
Stephanomeria minor, 257
Stereocaulon, 259; *cornutum*, 261; *ramulosum*, 261
Sticta damacaeornis, 261; *Weigelli*, 261
Stimblum flavidum, 264
Stipa comata, 245, 257; *minor*, 257
Streptothrix, 34; *abietina*, 34; *atra*, 34, 36; *cineracea*, 34; *fusca*, 34; *glaucia*, 34; *perfusca*, 34, 36
Stropharia, 139, 143, 144, 265; *ambigua*, 143, 144, 268; *bilamellata*, 144
Stropharia ambigua, The development of, 139
Studies in North American Peronosporales—V. A review of the genus *Phytophthora*, 54; VI. Notes on miscellaneous species, 192
Studies in the Hydnaceae, Type—VII. The genera *Asterodon* and *Hydnochaete*, 231
Study of the genus *Lamprospora*, A preliminary, 5
Sumstine, D. R., New or interesting fungi, 32
Symphoricarpos rotundifolius, 257; *vaccinoides*, 257
Synthyris laciniata, 248, 257; *pinna-tifida*, 248, 257
Syringa, 59; *persica*, 72
Taraxacum officinale, 257; *taraxacum*, 257
Taraxia subcaulis, 257
Tellima parviflora, 257
Tetraneurus leptocladus, 248, 257
Thalictrum, 69; *Fendleri*, 257; *sparsiflorum*, 257
Thelephora, 267; *lacinata*, 282; *magnispora*, 267; *perplexa*, 267; *scissilis*, 267
Thelotrema lepadinum, 260; *subtile*, 260
Theobroma, 75; Cacao, 75

Thlaspi coloradensis, 257; *glaucum*, 257
Thom, Charles, Conidium production in *Penicillium*, 211
Thuya plicata, 94
Tilia, 72; *americana*, 150
Tomicus, 218
rametos setosus, 266
Trautvetteria grandis, 241, 257
Tremella, 225; *Ellisii*, 229; *lutescens*, 224
Trichia, 149; *botrytis*, 149; *decipiens*, 149
Tricholoma, 3, 268; *alabamense*, 269; *angustifolium*, 269; *aromaticum*, 269; *cinnamomeum*, 269; *compressipes*, 269; *Earleae*, 269; *eduriforme*, 269; *fumosellum*, 269; *Glatfelteri*, 269; *inocybiforme*, 269; *Kaufmanii*, 269; *longipes*, 269; *Memmingeri*, 269; *multifolium*, 269; *Naucoria*, 269; *nudum*, 3; *odoriferum*, 269; *personatum*, 3; *praecox*, 269; *praemagnum*, 269; *Robinsoniae*, 269; *Russula*, 97, 98; *sordidum*, 3, 268; *subacidum*, 269; *subargillaceum*, 269; *subcinereiforme*, 269; *subfuligineum*, 269; *subresplendens*, 269; *subterreum*, 269; *subtransmutans*, 269; *Thompsonianum*, 269; *Tottenii*, 269; *transmutans*, 97, 98; *unakense*, 269; *Volkertii*, 269; *Yatesii*, 269
Trifolium, 205; *Parryi*, 253, 257; *repens*, 257; *scariosum*, 253, 258
Trisetum spicatum, 258; *subspicatum*, 241, 258; *vulgare*, 258
Triumfetta, 194; *Lappula*, 194
Tropical plant diseases, A book on, 41
Troximon cuspidatum, 258; *gracilens*, 258; *gracilens Greenei*, 258
Tsuga canadensis, 26-28
Tuber, 96, 97; *californica*, 97
Tubercularia, 138; *carnea*, 122, 138
Tulasnella, 265; *thelephorea*, 265
Two new species of water molds, 285
Tylostoma, 267
Type studies in the Hydnaceae—VII.
The genera *Asterodon* and *Hydnochaete*, 231

Uredinopsis, 25; *mirabilis*, 25-27
Uredinopsis mirabilis and other rusts,
Notes on, 25
Uredo, 153; *Castilleiae*, 252; *Jonesii*, 246
Urocystis Anemones, 241
Uromyces, 152, 153, 285; *aemulus*, 252; *Astragalii*, 245; *Eriogoni*, 245;

Euphorbiae, 246; *intricatus*, 245;
Lychnidis, 253; *mysticus*, 253; *oblongus*, 253; *plumbarius*, 246; *proeminens*, 246; *Psoraleae*, 253
Urtica, 200; *gracilis*, 258
Use of Ridgway's new color-book.
Observations on the. The color of the spores of *Volvaria speciosa* Fr., 29
Usnea angulata, 263; *arthroclada*, 262; *articulata*, 263; *articulata dimorpha*, 262; *aspera*, 263; *ceratina*, 263; *cinnina*, 263; *dasyopoides cladophora*, 262; *denudata*, 263; *florida*, 262; *gracilis*, 263; *implicata*, 262, 263; *intercalaris*, 262; *jamaicensis*, 263; *laevigata*, 262; *laevis*, 262; *longissima*, 263; *mekista*, 263; *radiata*, 263; *rubescens*, 263; *Vriesiana*, 263
Ustilago Hieronymi, 241
Utah, Host index of smuts and rusts of, 253
Utah, The smuts and rusts of—II, 240

Vaccinium, 283, 284; *caespitosum*, 258; *pennsylvanicum*, 27, 28
Vaginata, 268; *umbonata*, 35
Valeriana occidentalis, 249, 258
Vaucheria, 71
Venenarius, 268, 269; *Lanei*, 269; *muscarius*, 2, 268; *phalooides*, 165, 304; *roseinctus*, 269; *rubens*, 1; *virginianus*, 269
Venturia inaequalis, 95
Veratrum speciosum, 258
Vernonia, 123; *crinita*, 112
Veronica alpina, 249, 258; *Wormskjoldii*, 249, 258
Verticillium, 208
Vicia americana truncata, 258; *oreogena*, 258; *trifida*, 258
Viola adunca, 244, 258; *blanda*, 258; *canadensis*, 245, 258; *longipes*, 258; *Nuttallii*, 258; *Rydbergii*, 258
Viorna Jonesii, 258
Volva aperture in *Cryptoporus volvatus* (Peck) Hubbard, Origin of the, 217
Volvaria pruinosa, 266; *speciosa*, 29
Volvaria speciosa Fr., The color of the spores of. Observations on the use of Ridgway's new color-book, 29

Washingtonia divaricata, 258; *nuda*, 258; *obtusa*, 258; *occidentalis*, 258
Water molds, Two new species of, 285
West Indies, Small collection of lichens from Jamaica, 259
Western red cedar, An enemy of the, 93

INDEX TO VOLUME VI

323

White pine, A preliminary note on a new bark disease of the, 84
Willey, Henry,—A memoir, 49
Wilson, G. W., A book on tropical plant diseases, 41; Studies in North American Peronosporales—V. A review of the genus *Phytophthora*, 54; VI. Notes on miscellaneous species, 192

Wyethia amplexicaulis, 258
Zauschneria Garretii, 258
Zea Mays, 258
Zeller, S. M., The development of *Stropharia ambigua*, 139; The development of the carpophores of *Ceriomyces Zelleri*, 235
Zygadenus paniculatus, 258